



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61K 47/48	A1	(11) International Publication Number: WO 99/38536 (43) International Publication Date: 5 August 1999 (05.08.99)
(21) International Application Number: PCT/US99/01180 (22) International Filing Date: 20 January 1999 (20.01.99) (30) Priority Data: 09/015,394 29 January 1998 (29.01.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/015,394 (CON) Filed on 29 January 1998 (29.01.98) (71) Applicant (for all designated States except US): POLY-MED INC. [US/US]; 6309 Highway 187, Anderson, SC 29625 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): SHALABY, Shalaby, Wahba [US/US]; 6309 Highway 187, Anderson, SC 29625 (US). (74) Agent: TSAO, Y., Rocky; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: <u>ABSORBABLE MICROPARTICLES</u> (57) Abstract <p>This invention pertains to a sustained release complex of one or more peptides, one or more proteins or a combination thereof immobilized on an absorbable polymer microparticle optionally having an absorbable polymer coating. The microparticle complex of this invention comprises a peptide(s) and/or protein(s) which have at least one amino group and/or at least one carboxyl group per molecule and a solid absorbable polyester microparticle having surface and subsurface carboxylic group or amino groups in sufficient amounts to bind the peptide(s) and/or protein(s) so that the immobilized peptide(s) or protein(s) represent 0.1 % to 30 % of the total mass of the microparticle complex. The microparticle complex with immobilized peptide(s) and/or protein(s) are optionally further encased individually or in groups with an absorbable polymer to control, further, the release of the immobilized peptide(s) and/or protein(s). To control the release of the immobilized peptide(s) and/or protein(s) even further, the encased microparticles can be incorporated into a composition with an absorbable gel-forming liquid that transforms to a flexible gel or semi-solid upon contacting water in the biologic environment.</p>		

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